

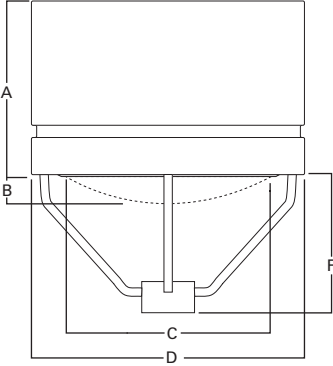
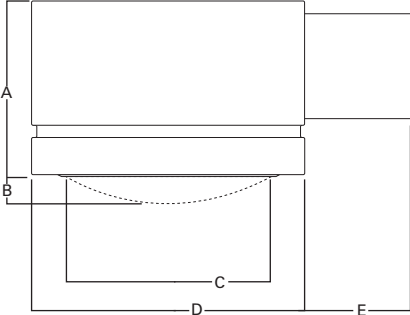
GR GALLERIA ROUND

ARCHITECTURAL AREA LUMINAIRE

250-1000W
MH/HPS/SMH



STREETWORKS™



NOTE: In all flat glass configurations only.

Fixture	A	B	C	D	E	F
250-400W (in.)	18 1/4	3 1/2	19 3/4	24 1/2	6 or 14	16
(mm)	464	89	502	676	152 or 356	406
1000W (in.)	19 3/4	4 1/4	25 5/8	32 15/16	6 or 14	19 3/4
(mm)	502	108	651	837	152 or 356	502

HOUSING

Roll-formed aluminum housing with stamped reveal has interior-welded seams for structural integrity. Optional NEMA twistlock photocontrol. ANSI wattage/source label.

BALLAST

Ballast is hard-mounted to housing interior for cooler operation.

REFLECTOR

Spun and stamped anodized aluminum reflector in vertical lamp units, or hydroformed anodized aluminum reflector in horizontal lamp units.

SPRINGS

Aluminum door retaining springs.

DOOR

Formed aluminum door for arm-mount fixture has retaining springs, while spider-mount unit has a heavy-duty hinge and captive retaining screws. Door is finished in polyester powder coat.

LENS

Convex tempered glass lens. Tempered flat glass available.

FINISH

Standard polyester powder coat finish in bronze. For more color options see optional colors or consult your Streetworks representative for more information.

ORDERING INFORMATION

SAMPLE NUMBER: GRA25MWWXX

PRODUCT FAMILY ¹	LAMP WATTAGE	LAMP TYPE ²	BALLAST TYPE ²	VOLTAGE ²	DISTRIBUTION	LENS TYPE	OPTIONS + ACCESSORIES
GRA=Arm	25=250W	S=High Pressure Sodium	W=CWA	2=120V	1D=Type I MCO (Horizontal)	FG=Flat Glass ^{3,5}	(See Below)
GRC=Spider	40=400W	M=Metal Halide	C=CWI	0=208V	2D=Type II MCO (Horizontal)	SG=Sag Glass	
2 3/8" - 3" O.D.	91=1000W	R=SMH	M=Mag. Reg.	4=240V	3D=Type III MCO (Horizontal)		
				7=277V	3V=Type III (Vertical)		
				8=480V	FT=Forward Throw (Horizontal)		
				W=Multi-Tap wired 120V	AR=Area Round (Vertical)		
				N=Multi-Tap wired 277V	AS=Area Square (Vertical)		
				V=Multi-Tap wired 240V	RW=Rectangular Wide (Vertical)		
					SL=Spill Light Eliminator (Horizontal) ^{3,4}		

OPTIONS + ACCESSORIES [Must be listed in the order shown and separated by a dash]

OPTIONS (add as suffix)
1=Single Fuse, Internally Mounted (120 or 277)
2=Double Fuse, Internally Mounted (208, 240, or 480V)
4=Photocontrol Receptacle
WH=White
BK=Black
AP=Grey
DP=Dark Platinum
GM=Graphit Metallic
H=Plug-in Starter Receptacle⁴
B=House Side Shield
AIR=Arm Included for Round Pole⁶
AIS=Arm Included for Square Pole⁶
CSR=Color Reveal Stripe—Red
CSB=Color Reveal Stripe—Blue
CSY=Color Reveal Stripe—Yellow
CSG=Color Reveal Stripe—Green
CSD=Color Reveal Stripe—Gold
CSS=Color Reveal Stripe—Silver
CSW=Color Reveal Stripe—White

ACCESSORIES (order separately)
MA1025=14" Arm for Square Pole⁷
MA1026=6" Arm for Square Pole
MA1006=Direct Mounting Kit for Square Pole
MA1027=14" Arm for Round Pole⁷
MA1028=6" Arm for Round Pole
MA1009=Direct Mounting Kit for Round Pole
MA1061=House Side Shield—Field Installed (Medium Housing)
MA1062=House Side Shield—Field Installed (Large Housing)

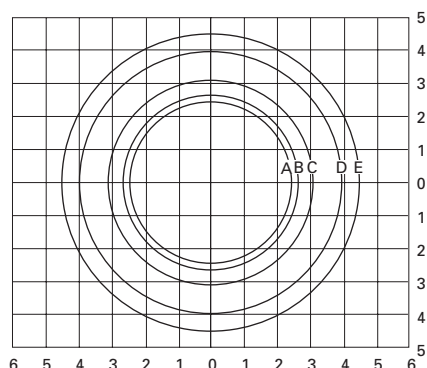
OPTIONAL COLORS [Standard color is bronze, other finish colors available. Consult your Cooper Lighting representative]

WH White	BK Black	AP Grey	DP Dark Platinum	GM Graphite Metallic

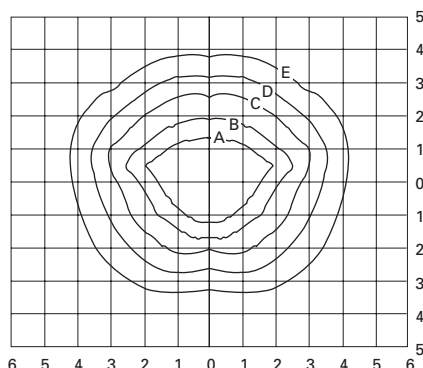
SHIPPING DATA

Approximate Net Weight:
86 lbs. (40 kgs.)

NOTE: 1 Order arm separately. 2 Refer to technical section for lamp/ballast/voltage compatibility. 3 Must use reduced envelope lamp. 4 Not available in 1000W. 5 Available in 1D, 2D, 3D, FT. AR. 6 Arm length varies based on housing size. 7 Required for mounting fixtures at 90° increments.

PHOTOMETRICS [Complete IES files available at www.cooperlighting.com]**GRA91SARS.IES**

1000-Watt HPS
140,000-Lumen Lamp
Area Round Sag Glass

**GRA91M3DF.IES**

1000-Watt MH
110,000-Lumen Lamp
Type III MCO Flat Glass

FOOTCANDLE TABLE

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
GRA91SARS.IES					
30'	3.54	2.66	1.77	0.88	0.44
35'	2.60	1.95	1.30	0.65	0.32
40'	2.00	1.50	1.00	0.50	0.25
45'	1.58	1.18	0.79	0.39	0.19
50'	1.28	0.96	0.64	0.32	0.16

GRA91M3DF.IES

30'	3.54	2.66	1.77	0.88	0.44
35'	2.60	1.95	1.30	0.65	0.32
40'	2.00	1.50	1.00	0.50	0.25
45'	1.58	1.18	0.79	0.39	0.19
50'	1.28	0.96	0.64	0.32	0.16

MOUNTING CONFIGURATIONS

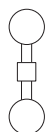
Spider Mount



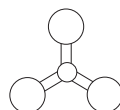
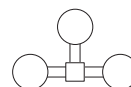
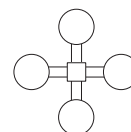
Arm Mount Single



Arm Mount 2 @ 180°

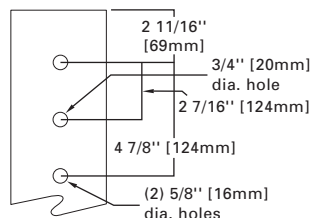
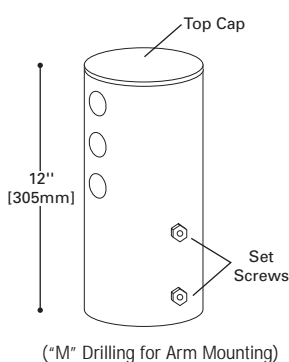


Arm Mount 2 @ 90°

Arm Mount 3 @ 120°
(Requires 14" Arm)
Round Pole OnlyArm Mount 3 @ 90°
(Requires 14" Arm)Arm Mount 4 @ 90°
(Requires 14" Arm)**E.P.A. TABLE**

	DRILL PATTERN	SINGLE [W/Arm where applicable]	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
GRA [Arm Mount] 250-400W	"M" 1	2.2	4.4	5.4	7.1	7.1	7.9
GRC [Spider Mount] 250-400W	3"	2.0	n/a	n/a	n/a	n/a	n/a
GRA [Arm Mount] 1000W	"M" 1	3.0	6.0	7.0	9.5	9.5	10.7
GRC [Spider Mount] 1000W	3"	2.8	n/a	n/a	n/a	n/a	n/a

NOTE: 1 Assumes 14" arm for 90° and 120° mounting configurations, 6" for all else.

DRILLING PATTERN**TYPE "M"****2" OR 3" DIRECT MOUNT TENON ADAPTER****ORDERING INFORMATION**

Catalog Number	Tenon Size (In.)	Fixture Configuration
MA1010	3 1/2 O.D.	1 Fixture
MA1011	3 1/2 O.D.	2 Fixtures at 180°
MA1012	3 1/2 O.D.	3 Fixtures at 120°
MA1013	3 1/2 O.D.	4 Fixtures at 90°
MA1014	3 1/2 O.D.	2 Fixtures at 90°
MA1015	3 1/2 O.D.	2 Fixtures at 120°
MA1016	3 1/2 O.D.	3 Fixtures at 90°
MA1017	2 3/8 O.D.	1 Fixture
MA1018	2 3/8 O.D.	2 Fixtures at 180°

NOTES: Fitters for other tenon sizes available. Consult your Streetworks representative. Tenon adapter for through bolt mounted luminaires. Standard adapter is bronze painted steel.